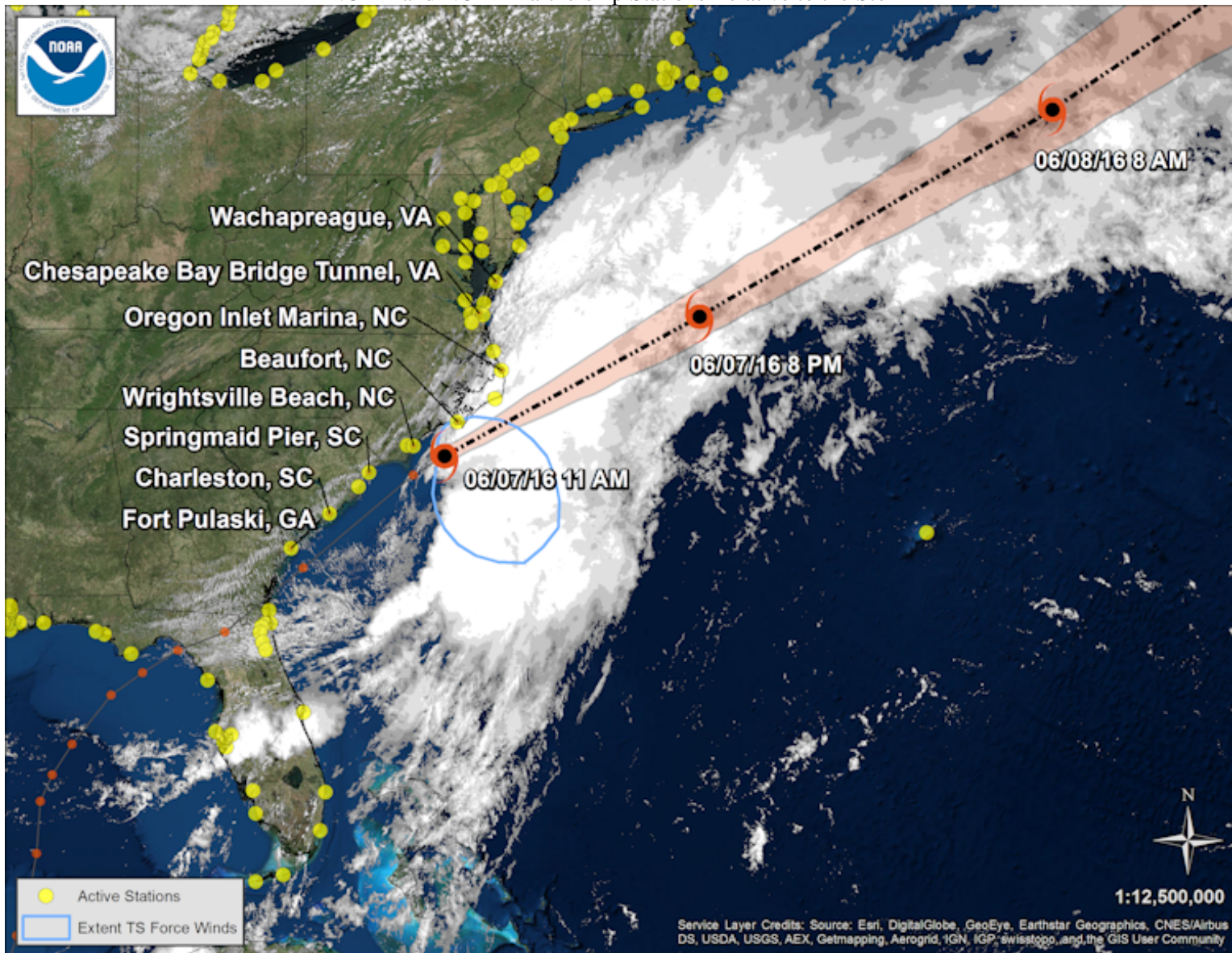




Post-tropical Storm COLIN QuickLook  
Posted: 12:00 EDT 06/07/2016

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 06/07/2016 12:00 EDT, water levels along the southeast U.S. coast are running 0.6 to 1.5 feet above tide predictions. Winds are 5 to 15 knots from North Carolina to Virginia. Barometric pressure continues to decrease as Colin approaches that region.

Water Level and Meteorological plots available below are updated automatically. A line denoting Mean Higher High Water (MHHW) is displayed to provide an approximate indication of when flooding inundation may occur.

For additional data, please see the Center for Operational Oceanographic Products & Services website. For more information or archived products and reports, please see the Storm QuickLook Homepage.

Analyst: KLO

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SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

BULLETIN  
POST-TROPICAL CYCLONE COLIN ADVISORY NUMBER 9  
NWS NATIONAL HURRICANE CENTER MIAMI FL  
1100 AM EDT TUE JUN 07 2016

...COLIN BECOMES A POST-TROPICAL CYCLONE...  
...GUSTY WINDS AND RAINS OVER THE OUTER BANKS SHOULD BE ENDING  
SOON...

-----  
ABOUT 120 MI SW OF CAPE HATTERAS NORTH CAROLINA  
MAXIMUM SUSTAINED WINDS...60 MPH  
PRESENT MOVEMENT...NE OR 55 DEGREES AT 36 MPH  
MINIMUM CENTRAL PRESSURE...996 MB

WATCHES AND WARNINGS

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CHANGES WITH THIS ADVISORY:

The Tropical Storm Warning has been discontinued along the North Carolina coast south of Cape Lookout.

SUMMARY OF WATCHES AND WARNINGS IN EFFECT:

A Tropical Storm Warning is in effect for...  
\* Caple Lookout to Oregon Inlet North Carolina

This warning will likely be discontinued early this afternoon.

DISCUSSION AND 48-HOUR OUTLOOK

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At 1100 AM EDT (1500 UTC), the center of Post-Tropical Cyclone Colin was estimated near latitude 34.0 North, longitude 77.0 West. The post-tropical cyclone is moving toward the northeast near 36 mph and this motion is expected to continue with some increase in forward speed this afternoon and tonight. The center of Colin will move near and parallel to the Outer Banks of North Carolina during the next couple of hours, then offshore well east of the mid-Atlantic coast later today.

Maximum sustained winds have increased to near 60 mph with higher gusts, although the system's strongest winds and heaviest rains are located over water well southeast of the center. Some slight strengthening is possible today and tonight, but gradual weakening is expected to begin on Wednesday.

Tropical-storm-force winds extend outward up to 230 miles primarily to the southeast of the center.

The estimated minimum central pressure is 996 mb.

#### HAZARDS AFFECTING LAND

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RAINFALL: Colin is expected to produce additional rainfall amounts of 1 to 2 inches across far eastern North Carolina and 1 to 3 inches, with isolated maximum amounts of 5 inches, across central Florida through this evening.

STORM SURGE: Water levels remain elevated along the west coast of the Florida peninsula, but are expected to subside by this evening.

Localized coastal flooding and dangerous surf are possible along the Outer Banks of North Carolina within the tropical storm warning area. For information specific to your area, please see products issued by your local National Weather Service forecast office.

WIND: Tropical storm conditions could occur over portions of the warning area through early afternoon.

#### NEXT ADVISORY

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Next intermediate advisory at 200 PM EDT.  
Next complete advisory at 500 PM EDT.

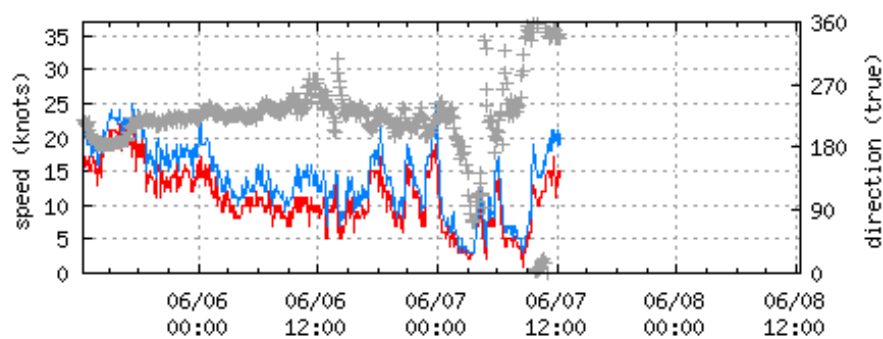
Forecaster Brown

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [Wrightsville Beach - Winds](#), [Wrightsville Beach - Water Level](#), [Wrightsville Beach - Barometric](#), [Beaufort - Water Level](#), [Oregon Inlet Marina - Water Level](#), [Oregon Inlet Marina - Winds](#), [Chesapeake Bay Bridge Tunnel - Water Level](#), [Chesapeake Bay Bridge Tunnel - Winds](#), [Chesapeake Bay Bridge Tunnel - Barometric](#), [Wachapreague - Water Level](#), [Wachapreague - Barometric](#), [Wachapreague - Winds](#), [Springmaid Pier - Water Level](#), [Springmaid Pier - Winds](#), [Charleston - Water Level](#), [Charleston - Barometric](#), [Fort Pulaski - Water Level](#), [Fort Pulaski - Winds](#)

NOAA/NOS/CO-OPS 8658163 Wrightsville Beach, NC

Wind Speed / Gusts / Direction



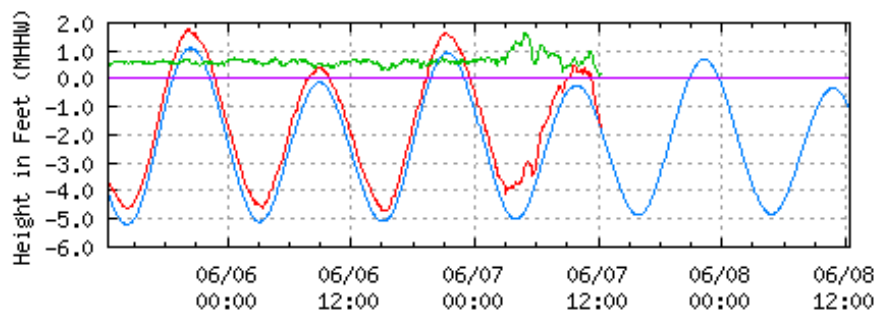
speed — gusts — direction +

Last Observed Sample: 06/07/2016 12:18 (EDT)

Wind Speed: 15 knots Gusts: 19 knots Direction: 342° T

NOAA/NOS/CO-OPS 8658163 Wrightsville Beach, NC

Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Predicted Tide —  
Observed WL —

(Obs-Pred) —  
MHHW —

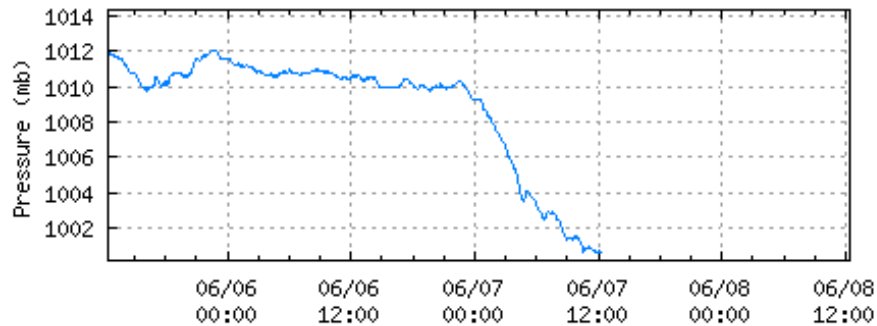
Last Observed Sample: 06/07/2016 12:18 (EDT). Data relative to MHHW

Observed: -1.70 ft. Predicted: -1.89 ft. Residual: 0.19 ft.

Historical Maximum Water Level: Sep 25 2008, 2.81 ft.

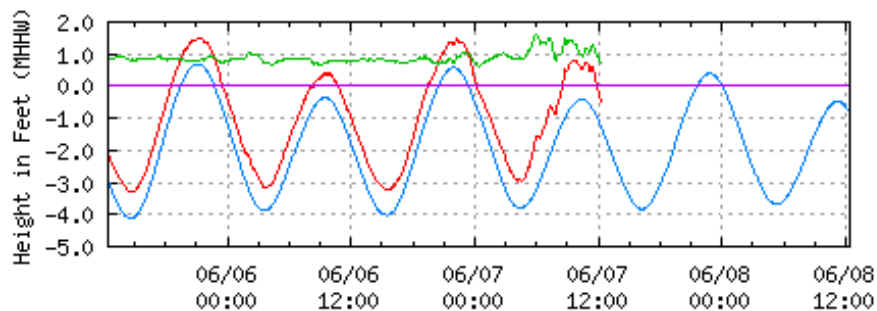
Next High Tide: 06/07/2016 22:15 (EDT), 0.70 ft.

NOAA/NOS/CO-OPS 8658163 Wrightsville Beach, NC  
Barometric Pressure



barometric pressure —  
Last Observed Sample: 06/07/2016 12:18 (EDT)  
Barometric Pressure: 1000.7 mb

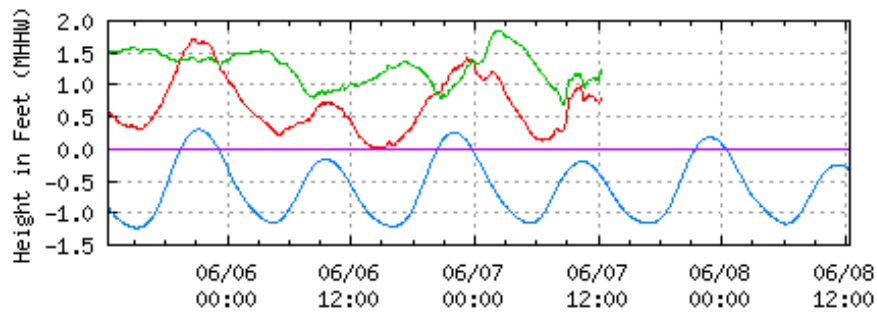
NOAA/NOS/CO-OPS 8656483 Beaufort, NC  
Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Predicted Tide — (Obs-Pred) —  
Observed WL — MHHW —

Last Observed Sample: 06/07/2016 12:12 (EDT). Data relative to MHHW  
Observed: -0.49 ft. Predicted: -1.24 ft. Residual: 0.75 ft.  
Historical Maximum Water Level: Sep 14 2005, 3.01 ft.  
Next High Tide: 06/07/2016 22:49 (EDT), 0.40 ft.

NOAA/NOS/CO-OPS 8652587 Oregon Inlet Marina, NC  
Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Predicted Tide — (Obs-Pred) —  
Observed WL — MHHW —

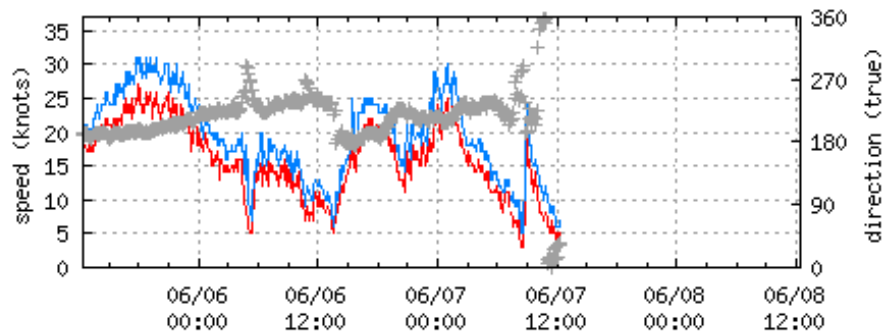
Last Observed Sample: 06/07/2016 12:18 (EDT). Data relative to MHHW

Observed: 0.79 ft. Predicted: -0.44 ft. Residual: 1.23 ft.

Historical Maximum Water Level: Aug 28 2011, 6.32 ft.

Next High Tide: 06/07/2016 22:49 (EDT), 0.18 ft.

NOAA/NOS/CO-OPS 8652587 Oregon Inlet Marina, NC  
Wind Speed / Gusts / Direction

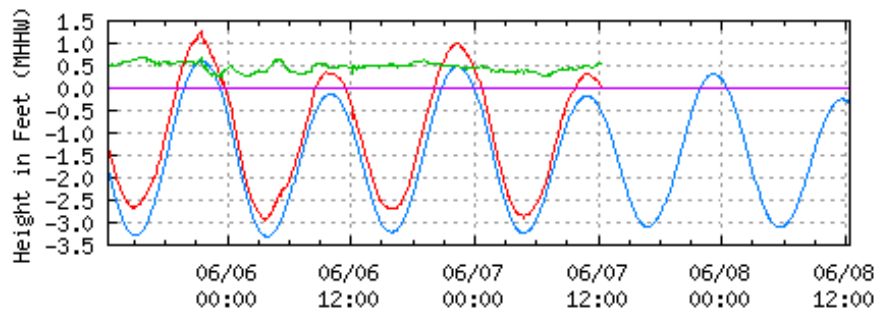


speed — gusts — direction +

Last Observed Sample: 06/07/2016 12:18 (EDT)

Wind Speed: 5 knots Gusts: 7 knots Direction: 35° T

NOAA/NOS/CO-OPS 8638863 Chesapeake Bay Bridge Tunnel, VA  
Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Predicted Tide — (Obs-Pred) —  
Observed WL — MHHW —

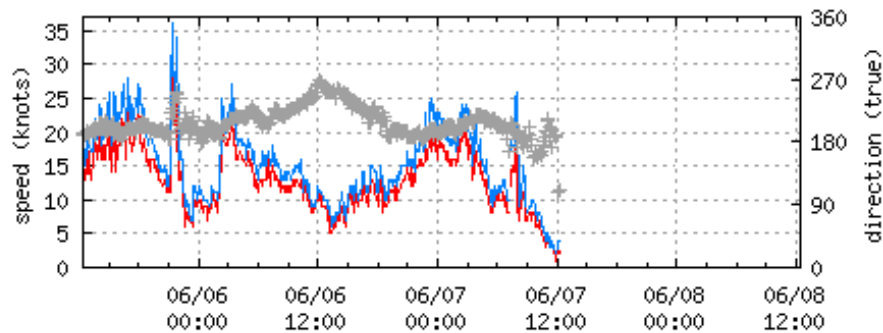
Last Observed Sample: 06/07/2016 12:12 (EDT). Data relative to MHHW

Observed: 0.06 ft. Predicted: -0.49 ft. Residual: 0.55 ft.

Historical Maximum Water Level: Nov 12 2009, 4.66 ft.

Next High Tide: 06/07/2016 23:12 (EDT), 0.31 ft.

NOAA/NOS/CO-OPS 8638863 Chesapeake Bay Bridge Tunnel, VA  
Wind Speed / Gusts / Direction



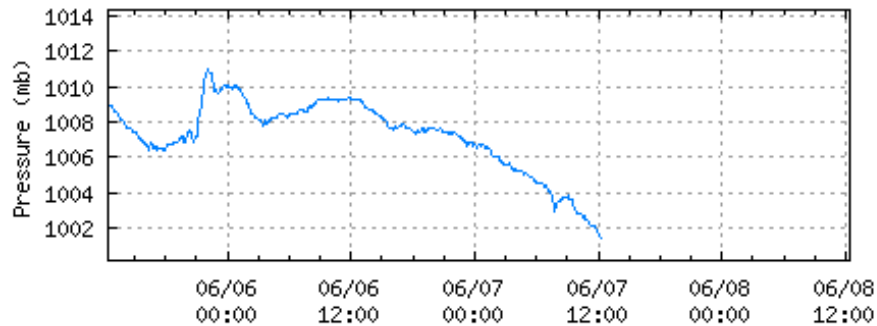
speed — gusts — direction +

Last Observed Sample: 06/07/2016 12:12 (EDT)

Wind Speed: 2 knots Gusts: 4 knots Direction: 112° T

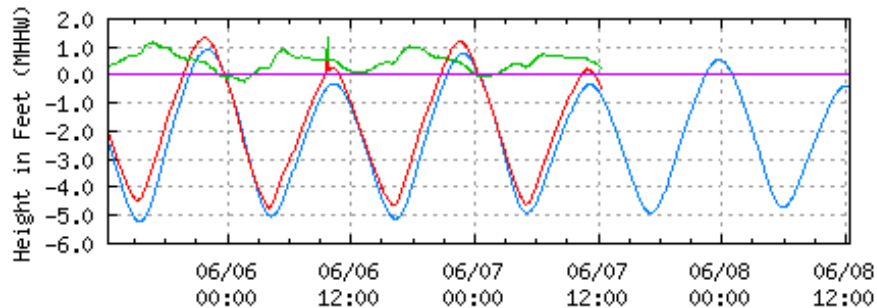


NOAA/NOS/CO-OPS 8638863 Chesapeake Bay Bridge Tunnel, VA  
Barometric Pressure



barometric pressure —  
Last Observed Sample: 06/07/2016 12:12 (EDT)  
Barometric Pressure: 1001.5 mb

NOAA/NOS/CO-OPS 8631044 Wachapreague, VA  
Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Predicted Tide — (Obs-Pred) —  
Observed WL — MHHW —

Last Observed Sample: 06/07/2016 12:18 (EDT). Data relative to MHHW

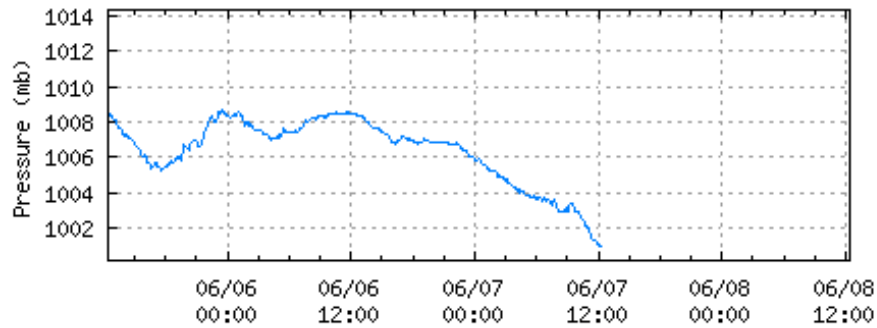
Observed: -0.50 ft. Predicted: -0.76 ft. Residual: 0.26 ft.

Historical Maximum Water Level: Feb 5 1998, 4.41 ft.

Next High Tide: 06/07/2016 23:42 (EDT), 0.56 ft.

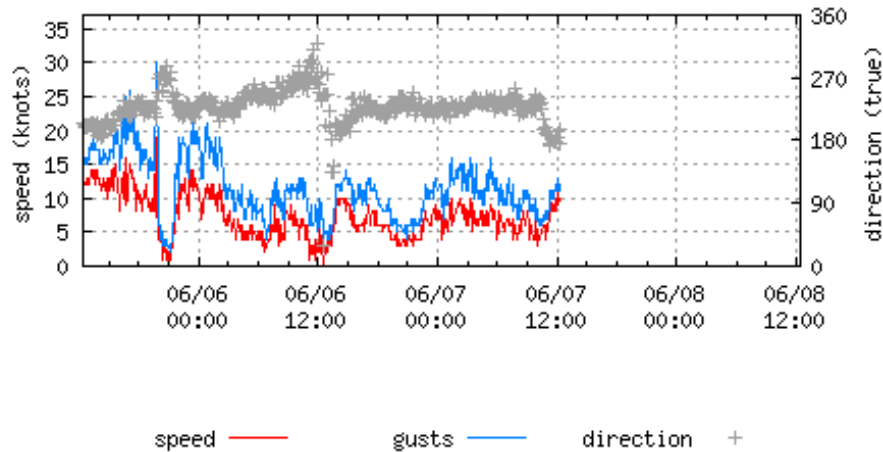


NOAA/NOS/CO-OPS 8631044 Wachapreague, VA  
Barometric Pressure



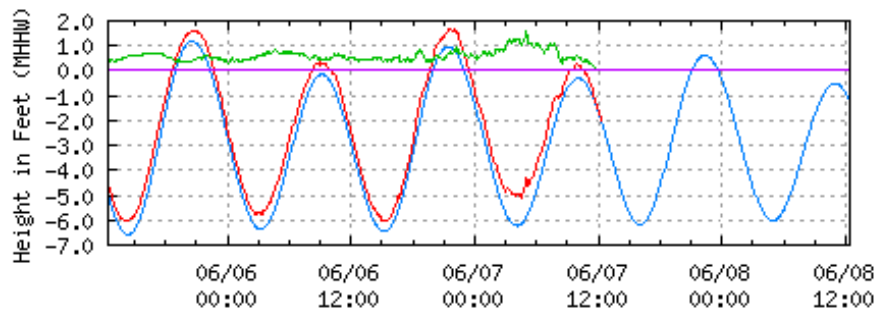
barometric pressure —  
Last Observed Sample: 06/07/2016 12:18 (EDT)  
Barometric Pressure: 1001.0 mb

NOAA/NOS/CO-OPS 8631044 Wachapreague, VA  
Wind Speed / Gusts / Direction



speed — gusts — direction +  
Last Observed Sample: 06/07/2016 12:18 (EDT)  
Wind Speed: 10 knots Gusts: 11 knots Direction: 197° T

NOAA/NOS/CO-OPS 8661070 Springmaid Pier, SC  
Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Predicted Tide — (Obs-Pred) —  
Observed WL — MHHW —

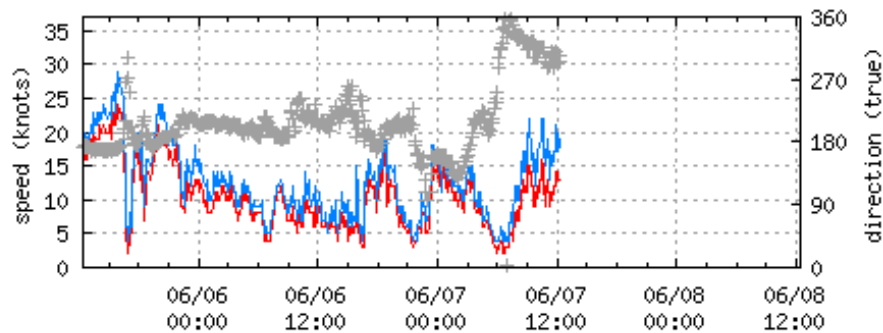
Last Observed Sample: 06/07/2016 12:18 (EDT). Data relative to MHHW

Observed: -2.05 ft. Predicted: -2.07 ft. Residual: 0.02 ft.

Historical Maximum Water Level: Jan 1 1987, 3.65 ft.

Next High Tide: 06/07/2016 22:18 (EDT), 0.62 ft.

NOAA/NOS/CO-OPS 8661070 Springmaid Pier, SC  
Wind Speed / Gusts / Direction

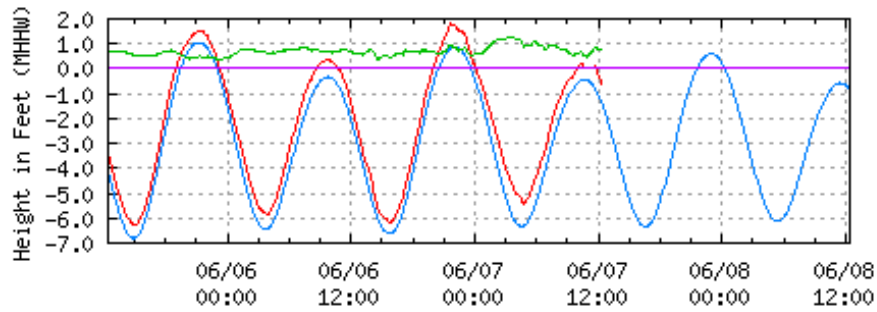


speed — gusts — direction +

Last Observed Sample: 06/07/2016 12:18 (EDT)

Wind Speed: 13 knots Gusts: 19 knots Direction: 303° T

NOAA/NOS/CO-OPS 8665530 Charleston, SC  
Preliminary Water Level, relative to Mean Higher High Water(MHHW)



Predicted Tide — (Obs-Pred) —  
Observed WL — MHHW —

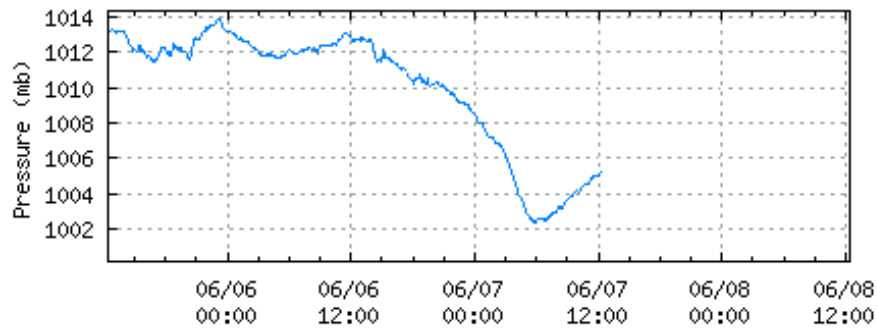
Last Observed Sample: 06/07/2016 12:18 (EDT). Data relative to MHHW

Observed: -0.64 ft. Predicted: -1.38 ft. Residual: 0.74 ft.

Historical Maximum Water Level: Sep 21 1989, 6.76 ft.

Next High Tide: 06/07/2016 22:56 (EDT), 0.60 ft.

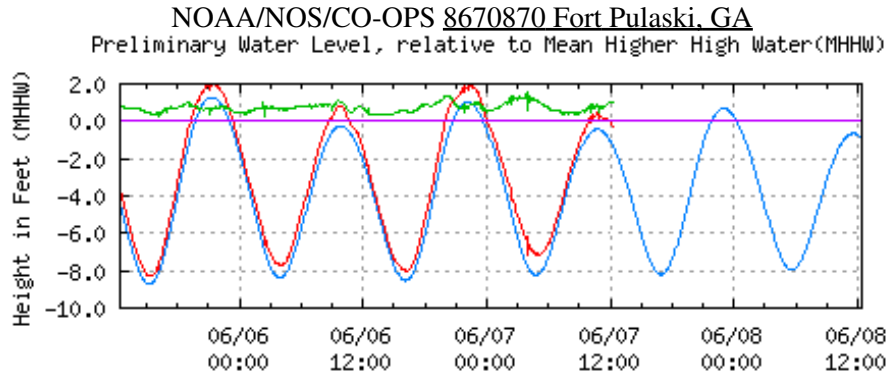
NOAA/NOS/CO-OPS 8665530 Charleston, SC  
Barometric Pressure



barometric pressure —

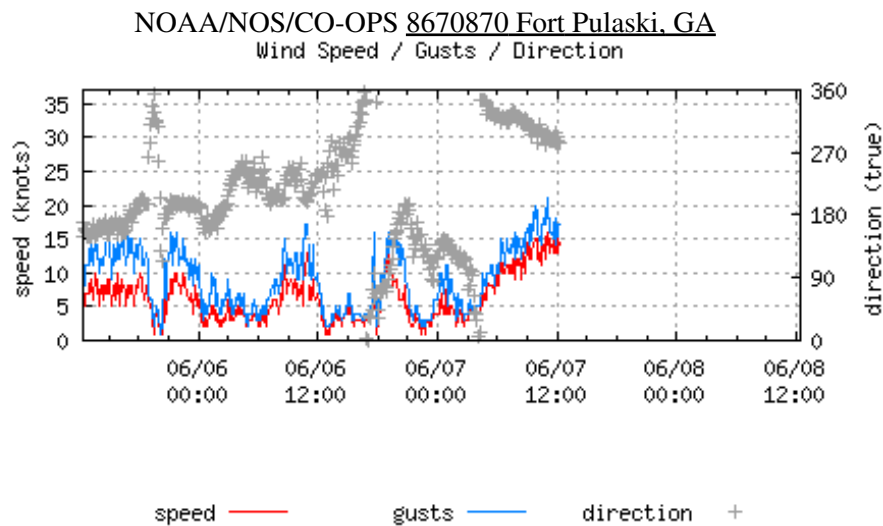
Last Observed Sample: 06/07/2016 12:18 (EDT)

Barometric Pressure: 1005.3 mb



Predicted Tide — (Obs-Pred) —  
Observed WL — MHHW —

Last Observed Sample: 06/07/2016 12:12 (EDT). Data relative to MHHW  
**Observed: -0.28 ft. Predicted: -1.31 ft. Residual: 1.03 ft.**  
 Historical Maximum Water Level: Oct 15 1947, 3.40 ft.  
 Next High Tide: 06/07/2016 23:00 (EDT), 0.67 ft.



Last Observed Sample: 06/07/2016 12:12 (EDT)  
**Wind Speed: 14 knots Gusts: 17 knots Direction: 283° T**

Latest Water Level Observations on MHHW

Station ID	Station Name	Date/Time	Observed Water Level	Predicted Tide	Residual Water Level	24 Hour Maximum Storm Tide
8658163	Wrightsville Beach, NC	06/07/2016 12:18 (EDT)	-1.70 ft	-1.89 ft	0.19 ft	1.61 ft
8656483	Beaufort, NC	06/07/2016 12:12 (EDT)	-0.49 ft	-1.24 ft	0.75 ft	1.46 ft
8652587	Oregon Inlet Marina, NC	06/07/2016 12:18 (EDT)	0.79 ft	-0.44 ft	1.23 ft	1.42 ft
8638863	Chesapeake Bay Bridge Tunnel, VA	06/07/2016 12:12 (EDT)	0.06 ft	-0.49 ft	0.55 ft	1.00 ft
8631044	Wachapreague, VA	06/07/2016 12:18 (EDT)	-0.50 ft	-0.76 ft	0.26 ft	1.20 ft
8661070	Springmaid Pier, SC	06/07/2016 12:18 (EDT)	-2.05 ft	-2.07 ft	0.02 ft	1.70 ft
8665530	Charleston, SC	06/07/2016 12:18 (EDT)	-0.64 ft	-1.38 ft	0.74 ft	1.80 ft
8670870	Fort Pulaski, GA	06/07/2016 12:12 (EDT)	-0.28 ft	-1.31 ft	1.03 ft	1.90 ft

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)  
National Oceanic and Atmospheric Administration | U.S. Department of Commerce